

CLAIMS

What is claimed is:

- 1 1. A method for collecting data regarding a messaging session, the
2 method comprising:
3 intercepting an incoming message;
4 writing session information to a thread-local variable; and
5 providing the incoming message to an associated system component.

- 1 2. The method of claim 1, wherein intercepting an incoming message
2 comprises intercepting an extensible markup language (XML) message wrapped in a
3 simple object access protocol (SOAP) envelope.

- 1 3. The method of claim 1, wherein intercepting an incoming message
2 comprises intercepting a service request.

- 1 4. The method of claim 1, wherein intercepting an incoming message
2 comprises intercepting a service response.

- 1 5. The method of claim 1, wherein writing session information to a
2 thread-local variable comprises writing at least a session identification to the thread-
3 local variable.

1 6. The method of claim 1, wherein writing session information to a
2 thread-local variable comprises writing at least one of a session identification, a source
3 name of the sender of the message, a message type, a destination name of the intended
4 recipient, and a message received time.

1 7. The method of claim 1, wherein writing session information to a thread-
2 local variable comprises writing session information to a thread-local variable using a
3 message handler.

1 8. The method of claim 7, wherein writing session information to a thread-
2 local variable comprises writing session information to a thread-local variable using a
3 simple object access protocol (SOAP) message handler.

1 9. The method of claim 1, further comprising storing session information
2 in a database.

1 10. The method of claim 1, further comprising intercepting an outgoing
2 message and performing a thread-local variable lookup so as to receive the session
3 information written to the thread-local variable.

1 11. The method of claim 10, further comprising storing session data
2 regarding the outgoing message to a database.

1 12. The method of claim 10, further comprising instrumenting the outgoing
2 message with session information.

1 13. A system for collecting data regarding a messaging session, the system
2 comprising:

3 means for intercepting an incoming message;

4 means for identifying session information attached to the incoming message;

5 means for writing session information to a thread-local variable; and

6 means for providing the incoming message to an associated system
7 component.

1 14. The system of claim 13, wherein the means for writing session
2 information to a thread-local variable comprise means for writing at least a session
3 identification to the thread-local variable.

1 15. The system of claim 13, wherein the means for writing session
2 information to a thread-local variable comprise a message handler.

1 16. The system of claim 15, wherein the message handler comprises a
2 simple object access protocol (SOAP) message handler.

1 17. The system of claim 13, further comprising means for storing session
2 information.

1 18. The system of claim 13, further comprising means for intercepting an
2 outgoing message and means for performing a thread-local variable lookup.

1 19. The system of claim 18, further comprising means for storing session
2 data regarding the outgoing message.

1 20. The system of claim 18, further comprising means for instrumenting
2 the outgoing message with session information.

1 21. A system for collecting data regarding a messaging session, the system
2 comprising:

3 logic configured to intercept an incoming message directed at a system
4 component;

5 logic configured to identify session information attached to the incoming
6 message; and

7 logic configured to write session information to a thread-local variable.

1 22. The system of claim 21, wherein the logic configured to write session
2 information to a thread-local variable comprises logic configured to write at least a
3 session identification to the thread-local variable.

1 23. The system of claim 21, wherein the logic configured to write session
2 information to a thread-local variable comprises a message handler.

1 24. The system of claim 23, wherein the message handler comprises a
2 simple object access protocol (SOAP) message handler.

1 25. The system of claim 21, further comprising logic configured to store
2 session information in a database.

1 26. The system of claim 21, further comprising logic configured to
2 intercept an outgoing message and perform a thread-local variable lookup so as to
3 receive session information written to the thread-local variable.

1 27. The system of claim 26, further comprising logic configured to
2 instrument the outgoing message with session information.

1 28. A message handler stored on a computer-readable medium,
2 comprising:
3 logic configured to intercept an incoming message directed at a system
4 component;
5 logic configured to identify session information attached to the incoming
6 message;
7 logic configured to write session information to a thread-local variable; and
8 logic configured to provide the incoming message to the system component.

1 29. The message handler of claim 28, wherein the logic configured to write
2 session information to a thread-local variable comprises logic configured to write at
3 least a session identification to the thread-local variable.

1 30. The message handler of claim 28, further comprising logic configured
2 to store session information in a database.

1 31. The message handler of claim 28, wherein the message handler
2 comprises a simple object access protocol (SOAP) message handler.

1 32. A message handler stored on a computer-readable medium,
2 comprising:

3 logic configured to intercept an outgoing message directed at a system
4 component;

5 logic configured to perform a thread-local variable lookup to receive session
6 information pertinent to the outgoing message;

7 logic configured to instrument the outgoing message with session information;

8 and

9 logic configured to forward the outgoing message to the system component.

1 33. The message handler of claim 32, wherein the logic configured to
2 instrument the outgoing message comprises logic configured to instrument the
3 outgoing message with at least a session identification.

1 34. The message handler of claim 32, further comprising logic configured
2 to store session information in a database.

1 35. The message handler of claim 32, wherein the message handler
2 comprises a simple object access protocol (SOAP) message handler.

1 36. A network service, comprising:
2 logic configured to process requests sent from a client;
3 a first message handler including logic configured to intercept an incoming
4 message directed at the network service and logic configured to write session
5 information to a thread-local variable; and
6 a second message handler including logic configured to intercept an outgoing
7 message sent by the network service and logic configured to perform a thread-local
8 variable lookup to receive session information pertinent to the outgoing message.